

Special Issue

Securing the Future: Challenges and Prospects in Emerging Cyber–Physical Systems

Message from the Guest Editors

We invite researchers to submit original research articles and reviews covering a wide range of topics related to the security challenges and development prospects in emerging cyber–physical systems. The suggested themes include, but are not limited to:

- Threat modeling and risk assessment in cyber–physical systems;
- Security protocols and mechanisms for secure communication and data transfer;
- Intrusion detection and prevention systems for cyber–physical environments;
- Privacy preservation and data protection in cyber–physical systems;
- Trust management and authentication in distributed CPS architectures;
- Resilience and fault tolerance in cyber–physical systems;
- Secure software development and firmware design for CPS;
- Hardware security for cyber–physical systems;
- Machine learning and AI approaches for CPS security;
- Case studies, real-world deployments, and lessons learned in securing cyber–physical systems.

Guest Editors

Prof. Dr. Liviu C. Miclea
Prof. Dr. Răzvan Rughiniș
Dr. Ovidiu P. Stan

Deadline for manuscript submissions

closed (15 July 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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